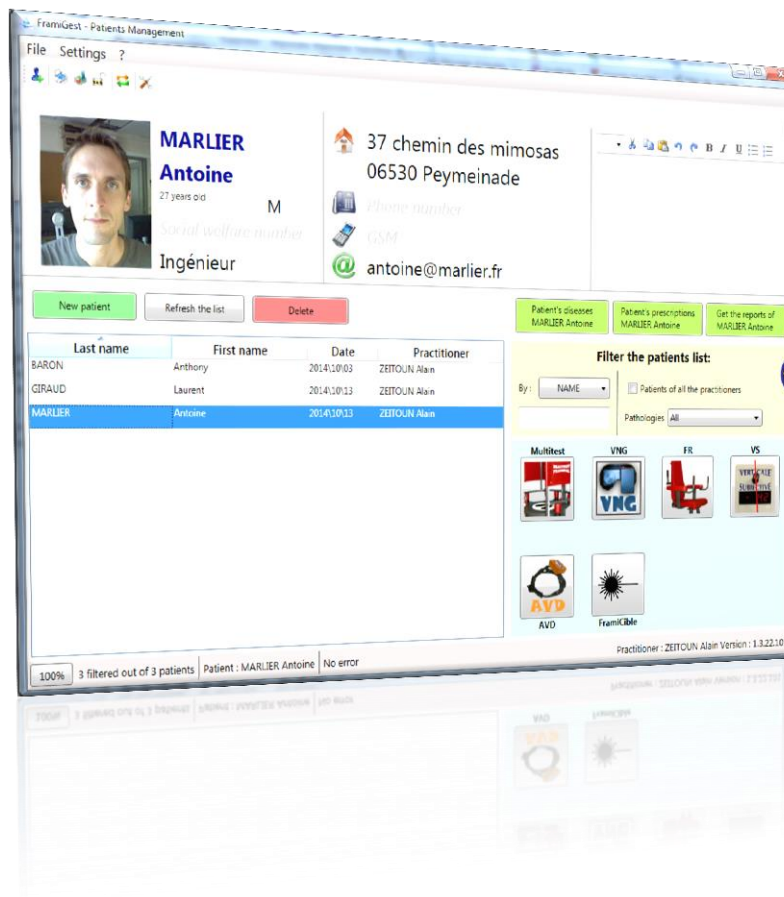


# FRAMIGEST USER MANUAL



Version 4

Applies to FramiGest 1.3 and higher

This document explains the features and utilization of the patients' management software developed by FRAMIRAL: FramiGest.

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## I. OVERVIEW

For years, our company has been developing its own softwares to control the various medical devices we design (Multitest Equilibre, Subjective Visual Vertical, Framiscope, Rotational Chair, NystamoGraphy Video, Dynamic Visual Acuity). In order to facilitate and speed up the access to patient records, and thus ensure traceability, FRAMIRAL designed the software FRAMIGEST.

This intuitive and user-friendly software allows you to quickly enter the contact information of all your patients, print a summary sheet, and centralizing all the data from any other FRAMIRAL software.

Operating under Microsoft SQL Server, the database ensures a fast processing, and a capacity of several thousand entries. Its network features facilitates the management of the patient from various PC (Secretary, practitioner), while maintaining data integrity.

Finally, features such as the integrated photo of the patient via webcam, or the management of various diseases and prescriptions, make this software complete and essential, and provide the opportunity to easily sort patients for statistics, exports, etc ...

## II. INSTALLATION AND UPDATE

### a) Installation

Please refer to the manual « Installing FramiGest 1.3 or higher ».

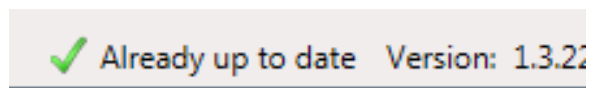
### b) Update

You can find this menu on the welcoming window. It helps you to update the software automatically as soon as a new version is available.

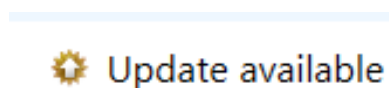
You just have to click on the “?” menu (top of the window), and then click on the “Check for updates” button.

Then, the updating status is showing at the bottom of the window.

- Case 1 : The software is up to date



- Case 2 : Updates are available



Click on the status to reveal the following options:

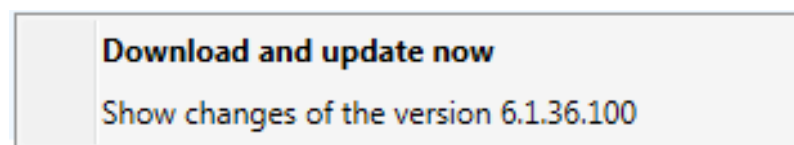


FIGURE 2- UPDATES READY TO INSTALL

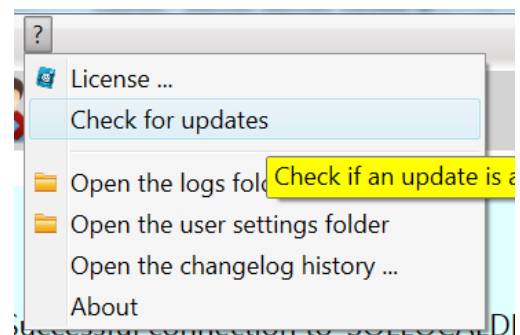


FIGURE 1- CHECK FOR UPDATES

« **Download and update now** » will download and automatically install the new version of the software. Once you select this option, let run the automatic update process, and don't click on anything else until it's done!

« **Show changes of the version XX.XX.XX** » will open a new window explaining all the changes made between your version and the XX.XX.XX one.

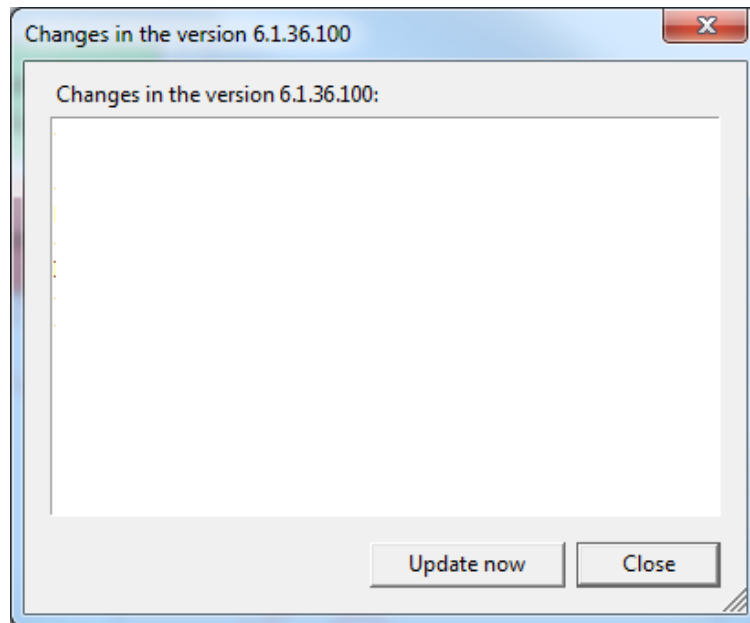


FIGURE 3- CHANGE OF VERSION

You just have to click on the "Update Now" button to start the automatic update process.

- Case 3 : Update checking failed :

✖ Download failed

If there is a problem while checking for update, here are possible case scenarios:

- You are not connected to the internet. (you can start a browser to check your internet access)
- You have internet access, but a strong firewall policy prevents any software to access to internet.

### III. USE OF THE SOFTWARE

#### a) Starting the software

Run the software by clicking on the icon set up on the desktop, or via the “Start” menu, « All Programs », « Framiral » then “FramiGest”.

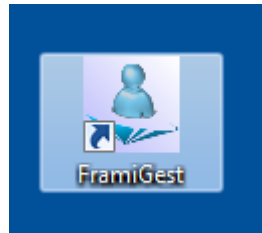


FIGURE 4 – DESKTOP ICON

**Note:** FramiGest is designed to be left running all day. It is advised not to close it every time you are done with a patient. Open FramiGest in the morning, and close it before turning down your computer.

#### b) Choosing the database

The first window then opens. It allows you to log in as a practitioner (or else) to maintain the patients' traceability.

Click on the database management button (shown by « 1 » on this screenshot) to open the database menu.

- Use of FramiGest with a single computer :

FramiGest will be used on a single computer, the database will be local.

Choose LocalDB.

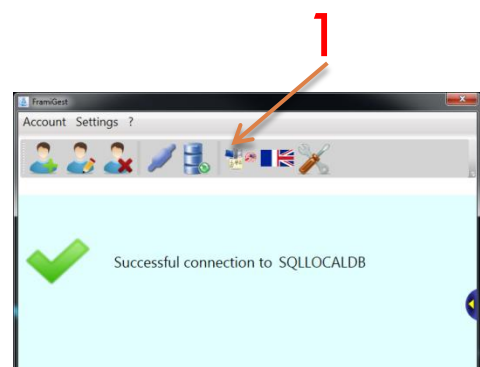
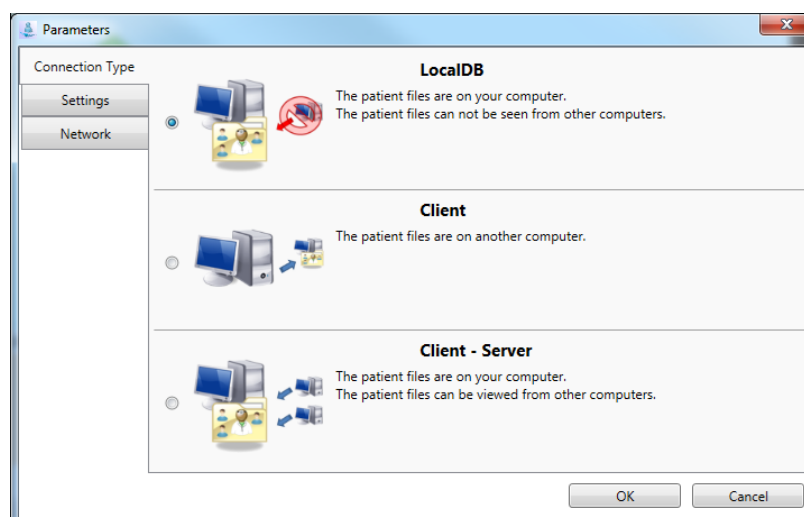


FIGURE 5 – CONNECT TO A DATABASE

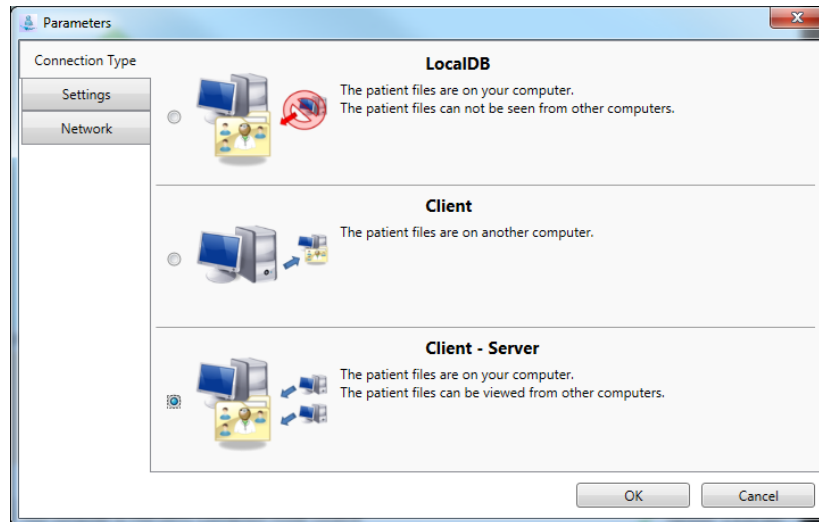
**FIGURE 6 - LOCALDB**

Confirm your selection by clicking on the “OK” button. FramiGest is now connected to the local database (same computer).

- Use of FramiGest on several computers :

When used on 2 or more computers, FramiGest will access a database set up on one of them (see Install Manual). The computer hosting the database will be the “master”. Our technicians will help you mapping your network.

When running FramiGest on the master PC, select the option Client-Server



**FIGURE 7 - CLIENT - SERVER**

Confirm your selection by clicking on the “Ok” button. After a few seconds, the software is connected to the database (this database is visible on the network, and located on this PC).

When running FramiGest from another PC (not the master), select the option “Client”



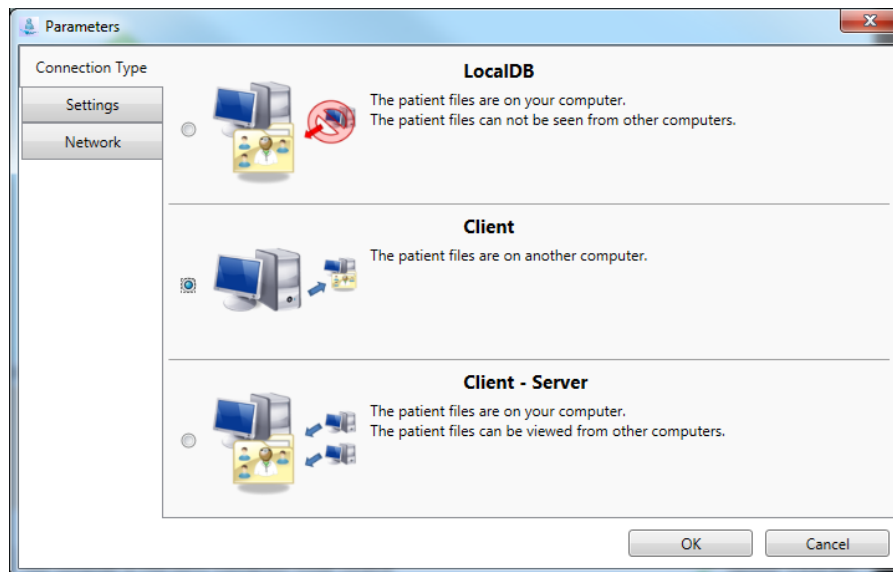


FIGURE 8 - CLIENT

Note: The master PC has to be turned on before the clients, to allow the access to the database.

Confirm your selection by clicking on the “Ok” button. The main FramiGest window is now listing all the computers on the network.

**Be sure to select the master PC !**

**Example:** Computer A, B and C are connected on the local network. The database is located on Computer A. Therefore :

- On Computer A, FramiGest is set up as ClientServer ;
- On Computers B et C, FramiGest is set up as Client.

### c) New practitioner

You can create a new practitioner profile by clicking on the menu “Account” -> “New” or with the shortcut button on the top left.

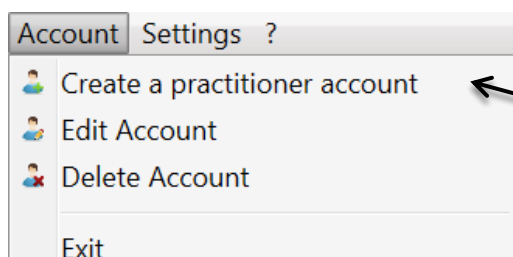


FIGURE 9 – « ACCOUNT » MENU

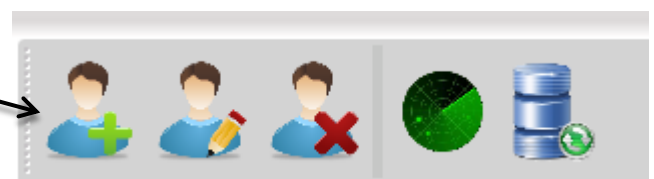


FIGURE 10 – PRACTITIONER MANAGING BUTTONS

Fill up the requested fields. « Name » and « First name » are mandatory.

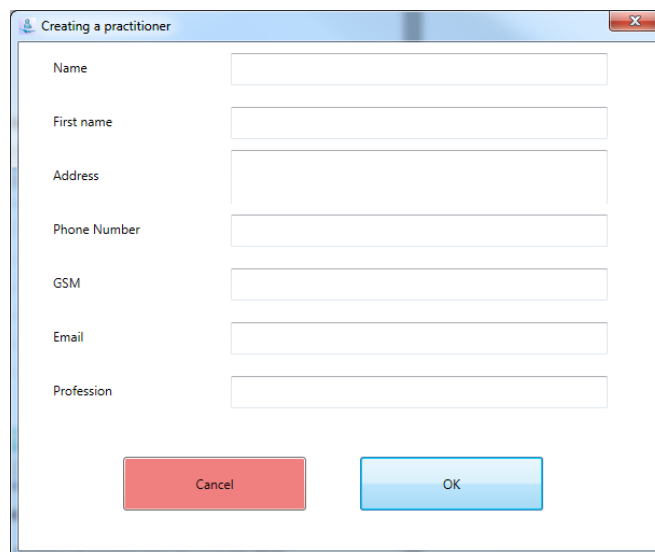
A screenshot of a software dialog box titled "Creating a practitioner". The dialog box has a standard Windows-style title bar with a close button (X) in the top right corner. Inside the dialog, there are seven text input fields arranged vertically, each with a label to its left: "Name", "First name", "Address", "Phone Number", "GSM", "Email", and "Profession". At the bottom of the dialog, there are two buttons: a red "Cancel" button on the left and a blue "OK" button on the right.

FIGURE 11 – NEW ACCOUNT

This information is then used by all the Framiral programs to create PDF reports. When the new profile is created, click on the Ok button. The practitioner is now available in the list.

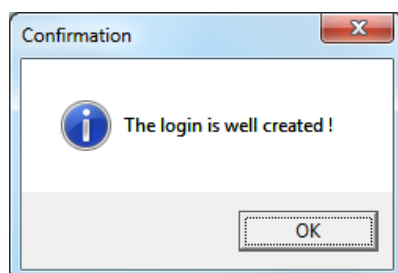


FIGURE 12 – NEW USER CREATED

You can delete or edit any account. **WARNING**, deleting a practitioner account will delete all the patients' files associated to the practitioner!

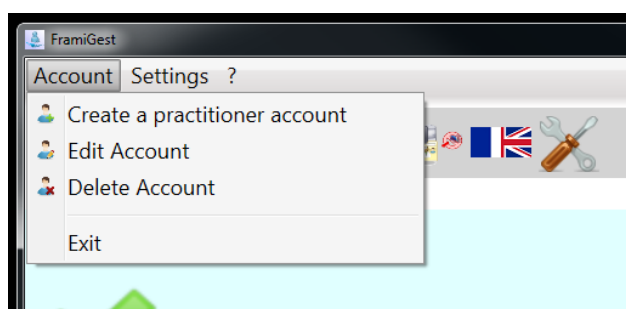


FIGURE 13 - EDITER / SUPPRIMER LE COMPTE

That's it! You can now log in by selecting your name in the list, and click on the OK button to open the patients managing section of the software.

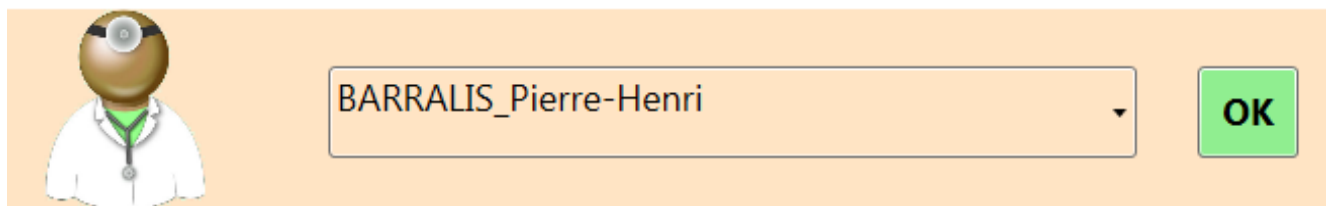


FIGURE 14 – SELECTED PRACTITIONER – OK

#### d) License key

To manage the license key, go to the «?» menu and choose the “License” menu. This will open a window that will allow you to manage the license key that will unlock the software for a limited time. This key is delivered by Framiral when our team is installing the software, or when requested.

If you are connected to internet, you can request a key by clicking the « Make a request » button. Then, either Framiral will send you your key by email or you can « Check if a key is available » to automatically get it (this might take a few days).

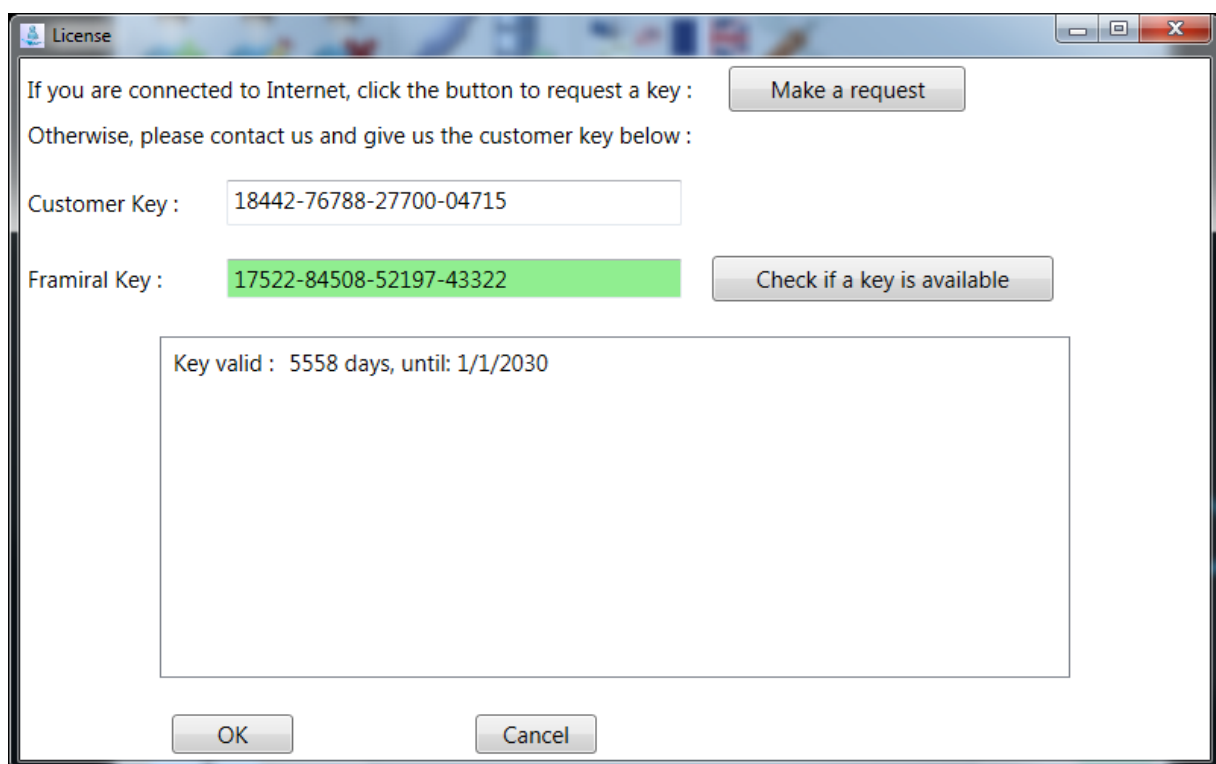


FIGURE 15 – LICENSE KEY

## IV. MANAGING THE PATIENT

### a) The patient

The management interface is divided into 5 parts.

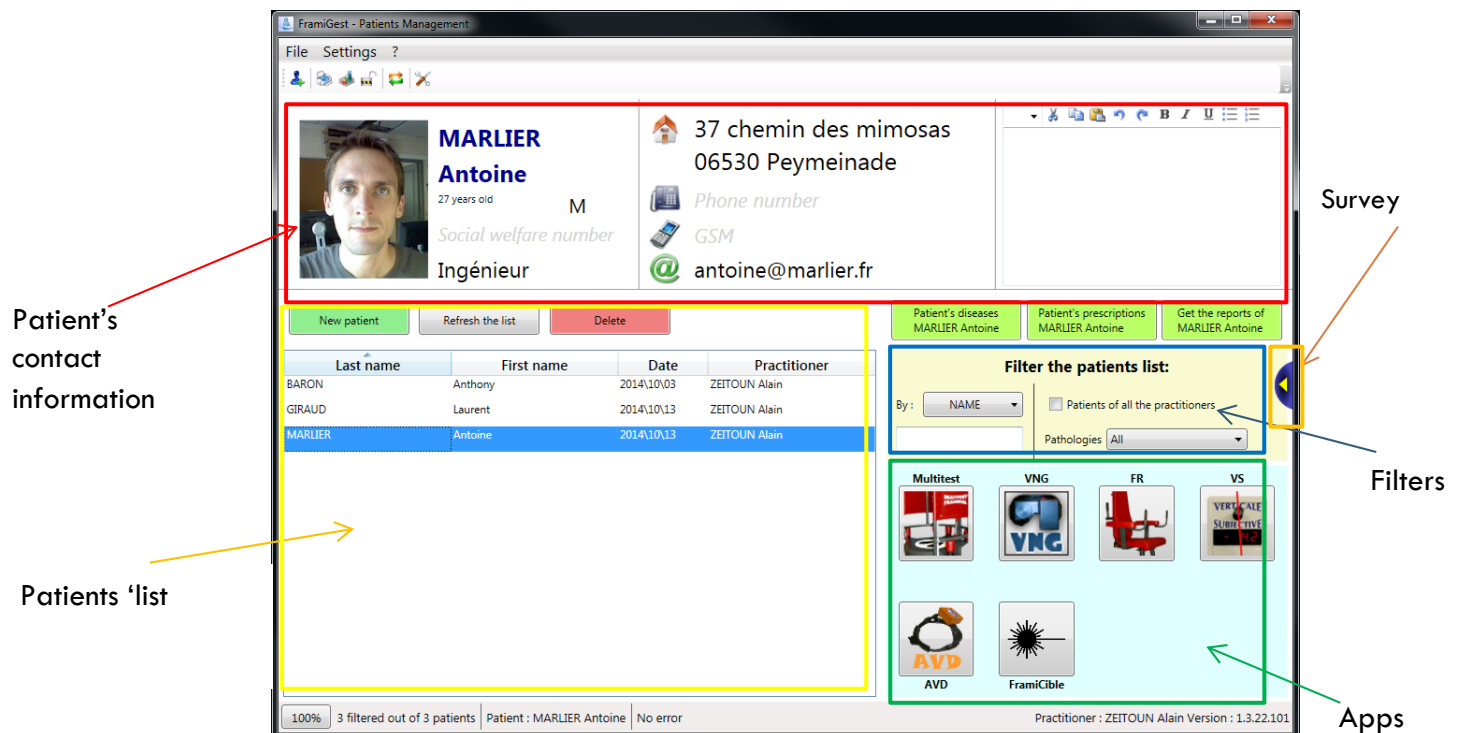


FIGURE 16 – PATIENTS 'MANAGEMENT

The **patients 'list'** is located in the yellow part (as well as the "add" and "delete" buttons). You can apply **filters** (blue part), to sort the list (by pathologies, chronology, name alphabetical order, first name alphabetical order, prescription etc...). The red part is **the patient's contact information** (select a patient in the patients 'list'). The orange part is a button that will open the **survey** section (select a patient in the patients 'list'). The green part lists all the available applications.

To create a new patient, click on:

- The « New Patient » button located in the yellow section, or on
- the first button on the left of the tool bar, (blue silhouette with a +), or on
- the « File » menu, « New patient ».

This will open a window, in which you can fill up the mandatory new patient's information (last name and practitioner). The first name is recommended, the identifier is optional (helps to identify homonyms).

FIGURE 17 - NEW PATIENT

The patient is then created, and appears in the list, following the sorting. Its name and first name are the only information filled up in the contact information area.

Last name	First name	Date	Practitioner
BARON	Anthony	2014\10\03	ZEITOUN Alain
GIRAUD	Laurent	2014\10\13	ZEITOUN Alain
MARLIER	Antoine	2014\10\13	ZEITOUN Alain

FIGURE 18 - NEW PATIENT SELECTED IN THE LIST

It is now possible to fill up the rest of the contact information, by clicking on a field, then validating with the green check button ✓.

The screenshot displays the 'FramiGest - Patients Management' application window. The top menu bar includes 'File' and 'Settings'. The main interface is divided into several sections:

- Patient Profile:** Shows the patient's name 'BARON Anthony' with a placeholder for a profile picture. Below the name are fields for 'Age', 'Gender', and 'Social welfare number' (containing 'Architecte' with a green checkmark icon). To the right are fields for 'Address', 'Phone number', 'GSM', and 'Email'.
- Actions:** A row of buttons includes 'New patient' (green), 'Refresh the list' (grey), and 'Delete' (red).
- Table:** A table with columns 'Last name', 'First name', 'Date', and 'Practitioner' lists three patients:
 

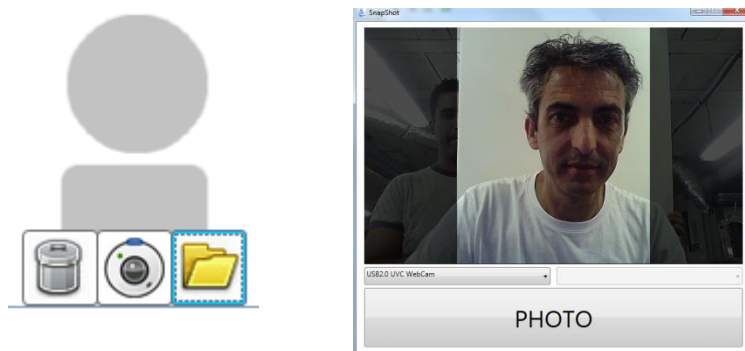
Last name	First name	Date	Practitioner
BARON	Anthony	2014\10\03	ZEITOUN Alain
GIRAUD	Laurent	2014\10\13	ZEITOUN Alain
MARLIER	Antoine	2014\10\13	ZEITOUN Alain
- Filter the patients list:** A section with a 'By:' dropdown set to 'NAME', a checkbox for 'Patients of all the practitioners', and a 'Pathologies' dropdown set to 'All'.
- Diagnostic Tools:** A grid of icons for 'Multitest', 'VNG', 'FR', 'VS', 'AVD', and 'FramiCible'.
- Status Bar:** At the bottom, it shows '100%', '3 filtered out of 3 patients', 'Patient : BARON Anthony', 'No error', and 'Practitioner : ZEITOUN Alain Version : 1.3.22.101'.

FIGURE 19 - EDITING FIELDS

The “delete” button will definitely erase the selected patient from the database, as well as all its data (from Multitest, VNG, etc...).

If you have a webcam, you can take a photo of the patient with FramiGest, by clicking on the grey silhouette (top left of the contact information section), then on the webcam icon. A new window opens. You can select the video input (your webcam) and click on the “photo” button, then “Ok”.

You can also select a picture from your hard drive. Click on the folder icon.



**FIGURE 20 – PATIENT'S PHOTO**



## b) Pathologies

You can manage the patient's pathologies, thanks to a non-exhaustive list, by clicking on the green « Patient's diseases X » button. The following window opens:

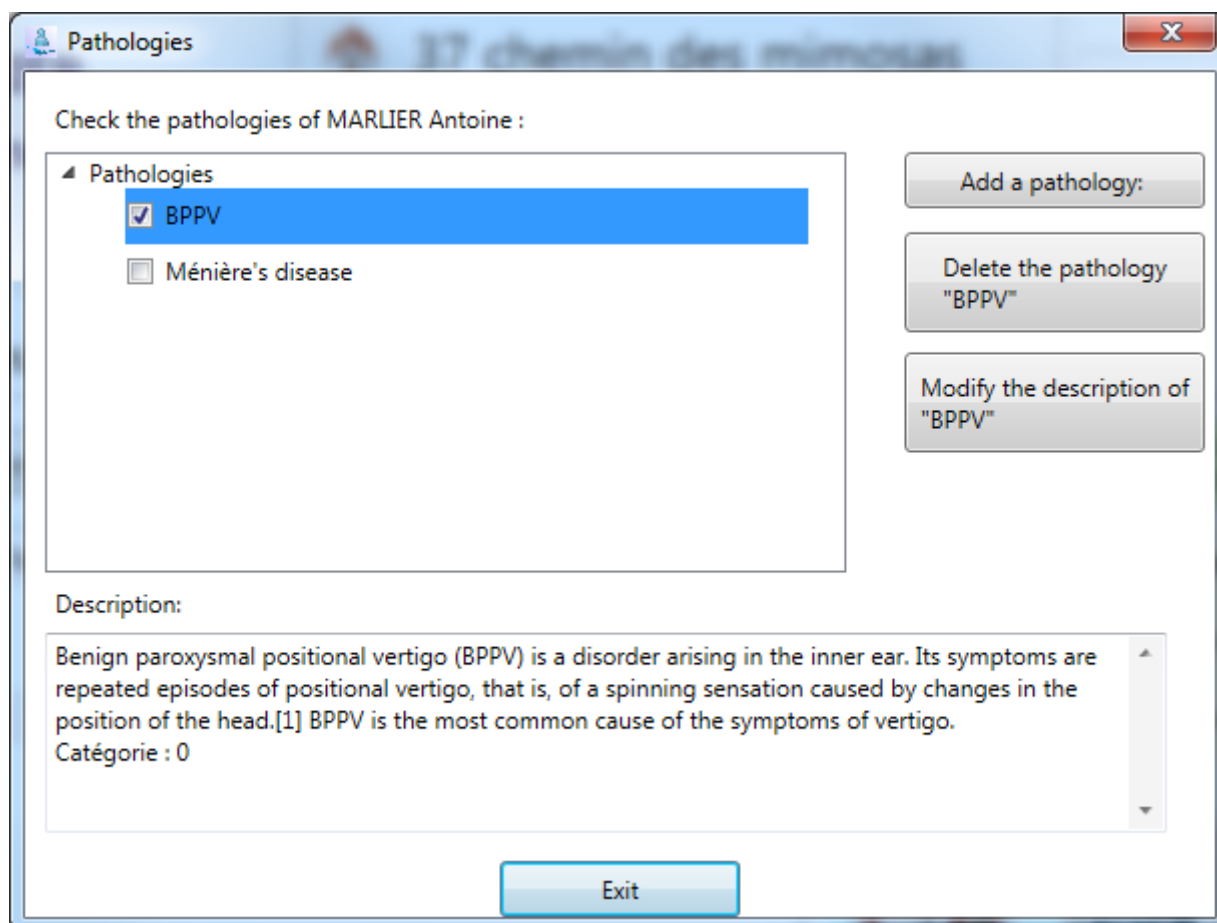


FIGURE 21 – PATHOLOGIES MANAGEMENT

You just have to select the pathologies associated with the patient. If you can't find the pathology, you can create a new one. You can also edit or delete pathologies from the list.

You can then filter your patients in the filter section of the main page.

### c) Prescriptions

Like the pathologies section, you can manage the patient's prescriptions by clicking on the green « Patient's prescriptions X ». The following window opens:

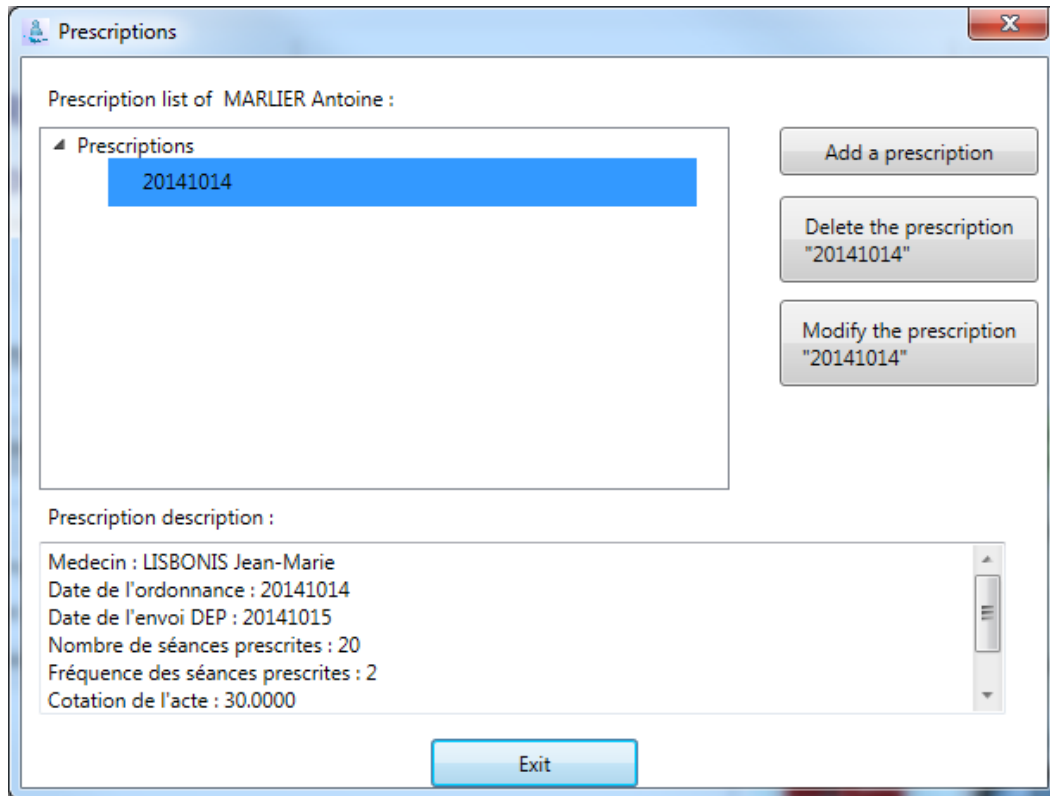


FIGURE 22 – PRESCRIPTIONS MANAGEMENT

The prescription list appears (sorted by date), and you can read the information in the section below the list by clicking on a prescription. You can click on the « Add a prescription » button to fill up a new prescription:

In the new window, you have to fill up all the fields. The prescribers are listed in the combo-box. If you cannot find the prescriber, you can create a new one by clicking on the new prescriber button (located on the top right).

FIGURE 23 - NEW PRESCRIPTION

## d) Survey

Using the European Evaluation of Vertigo (EEV), FramiGest offers a survey section. To access it, you have to click on the following icon, located on the right of the filter section. This will slide out the survey section.



FIGURE 24 – SURVEY SECTION ICON

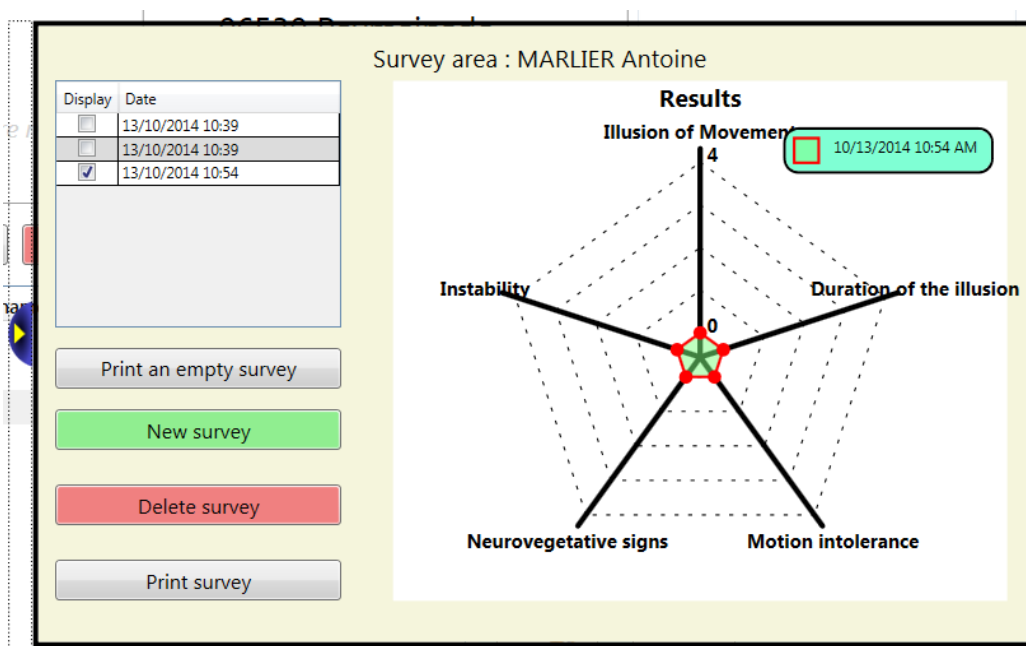


FIGURE 25 – SURVEY SECTION

In this section, you can:

- Save a new survey;
- Display the results of one or several surveys;
- Delete an existing survey;
- Print an empty survey for the patient to fill up (in the waiting room for example);
- Print an existing survey result, or a comparative result.

To save a new survey, you just have to select the patient's answers. Once the questions are answered, the graph will update and be displayed. In the "display" column, you can check as many graphs as you want. The three most recent selected graphs will be displayed at the same time, to compare the results.

Understand the graph: The smaller the area, the better the patient feels.


<b>ZEITOUN Alain</b> Kinésithérapeute 50 rue d'Antibes 04 93 39 07 66 alain.zeitoun@framiral.fr	Surname : Name : Address: Date :
---	---

European Evaluation of Vertigo scale (EEV)	
<b>Illusion of Movement</b>	
<input type="radio"/> 0 No illusion <input type="radio"/> 1 <input type="radio"/> 2 Feeling of swaying to the right or left, ascending or descending movements, light-headedness, listing, rolling <input type="radio"/> 3 <input type="radio"/> 4 Impression of soinnina (either of self or of the environment)	
<b>Duration of the illusion</b>	
<input type="radio"/> 0 None <input type="radio"/> 1 Less than a minute <input type="radio"/> 2 From one minute to one hour <input type="radio"/> 3 From one hour to three <input type="radio"/> 4 From three hours to twenty four	
<b>Motion intolerance</b>	
<input type="radio"/> 0 No motion intolerance <input type="radio"/> 1 Rarely or few <input type="radio"/> 2 Sometimes or moderate <input type="radio"/> 3 Often or marked <input type="radio"/> 4 Always or intense	
<b>Neurovegetative signs</b>	
<input type="radio"/> 0 No neurovegetative signs <input type="radio"/> 1 Nausea uncorrelated with attacks of vertigo <input type="radio"/> 2 Nausea correlated with attacks of vertigo <input type="radio"/> 3 Nausea associated with one or two episodes of vomiting <input type="radio"/> 4 Intractable vomiting	
<b>Instability (including when under illusion)</b>	
<input type="radio"/> 0 No instability <input type="radio"/> 1 Instability but no falls and no interference with daily life activity <input type="radio"/> 2 Instability, without falls, but interferes with daily life activity <input type="radio"/> 3 Instability with occasional falls, either when standing or when walking <input type="radio"/> 4 Instability with falls as soon as the patient stands up	

Version: 1.3.22.101

FIGURE 26 – EMPTY SURVEY

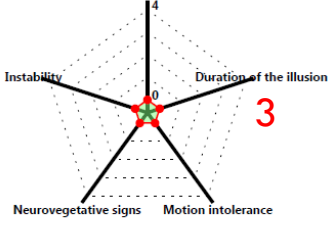
<b>ZEITOUN Alain</b> Kinésithérapeute 50 rue d'Antibes 06400 Cannes 04 93 39 07 66 alain.zeitoun@framiral.fr	 <b>MARLIER Antoine</b> Session of : 10/13/2014 10:54 AM
---	--

European Evaluation of Vertigo scale (EEV)	
<b>Illusion of Movement</b>	
<input checked="" type="radio"/> 0 No illusion <input type="radio"/> 1 <input type="radio"/> 2 Feeling of swaying to the right or left, ascending or descending movements, light-headedness, listing, rolling <input type="radio"/> 3 <input type="radio"/> 4 Impression of spinning (either of self or of the environment)	
<b>Duration of the illusion</b>	
<input checked="" type="radio"/> 0 None <input type="radio"/> 1 Less than a minute <input type="radio"/> 2 From one minute to one hour <input type="radio"/> 3 From one hour to three <input type="radio"/> 4 From three hours to twenty four	
<b>Motion intolerance</b>	
<input checked="" type="radio"/> 0 No motion intolerance <input type="radio"/> 1 Rarely or few <input type="radio"/> 2 Sometimes or moderate <input type="radio"/> 3 Often or marked <input type="radio"/> 4 Always or intense	
<b>Neurovegetative signs</b>	
<input checked="" type="radio"/> 0 No neurovegetative signs <input type="radio"/> 1 Nausea uncorrelated with attacks of vertigo <input type="radio"/> 2 Nausea correlated with attacks of vertigo <input type="radio"/> 3 Nausea associated with one or two episodes of vomiting <input type="radio"/> 4 Intractable vomiting	
<b>Instability (including when under illusion)</b>	
<input checked="" type="radio"/> 0 No instability <input type="radio"/> 1 Instability but no falls and no interference with daily life activity <input type="radio"/> 2 Instability, without falls, but interferes with daily life activity <input type="radio"/> 3 Instability with occasional falls, either when standing or when walking <input type="radio"/> 4 Instability with falls as soon as the patient stands up	

Dizziness Evaluation : 10/13/2014 10:54 AM

Illusion of Movement

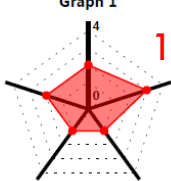
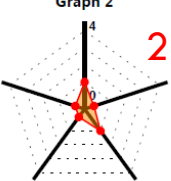
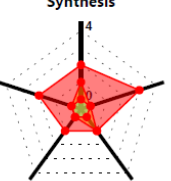
Graph 1	Graph 2	Synthesis
		

FIGURE 27 - 3 GRAPHS

To delete a survey, click on the survey in the list, then click on the “delete” button. (This will delete the selected survey, NOT the ones checked in the “Display” column).

When printing an empty survey, the practitioner contact information will be filled up, as well as the current date. Every other field is left empty.

You can print a result with one to three graphs, by checking the graphs to display in the “display” column. When 3 graphs are selected, the printed report displays the three graphs, sorted by chronological order: 1 being the oldest, 3 the most recent. The last graph offers a comparison. The survey answers are the ones from the most recent survey.

## V. OTHER FEATURES

### a) Filtering the patients 'list

Now that the contact information is filled up for every patient, you can sort the patients 'list as you want, to organize and facilitate the search of a patient, in a list that can contain several thousands of entries.

All the possible actions are located in the blue section (fig. 16).

The option « Patients of all the practitioners » will display the patients from every practitioner saved in the database.

The combo-box « Pathologies » allows you to display the list of all the patients having the selected disease.

Finally, the last combo-box offers the possibility to sort the list with the Name, First name, Date, Profession or Gender. Select the desired option, and write down the characters to filter with in the field below.

For example, to only display female patients in the list, set up the filters like this:

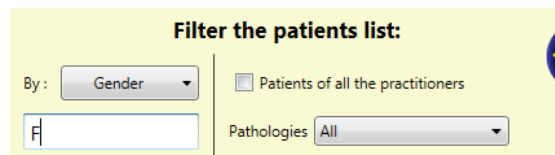


FIGURE 28 – FEMALE PATIENTS

### b) Start an application

Side applications (cf.: fig. 16 – green area) can be started when a patient is selected in the list. Any side Framiral application started with FramiGest will centralize all the information for every patient (Multitest, VNG, VS, Rotational Chair, etc...).

If a side application has been used for the selected patient, the number of sessions is displayed below the logo, and more information is available when the mouse hovers over the app's button.

### c) Send a bug report

To send a report, go to the « ? » menu, then click on « Send a bug report ».

This will open a new window. Select the severity and add a comment. Then click the “OK” button.

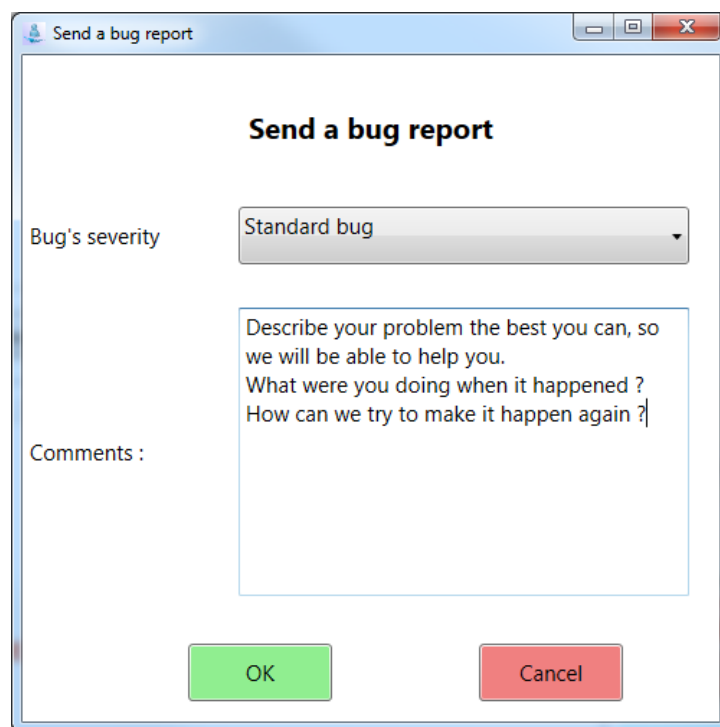
The image shows a Windows-style dialog box titled "Send a bug report". Inside the dialog, the title "Send a bug report" is centered at the top. Below the title, there is a label "Bug's severity" followed by a dropdown menu currently showing "Standard bug". Below this, there is a label "Comments :" followed by a text area. The text area contains the following text: "Describe your problem the best you can, so we will be able to help you. What were you doing when it happened ? How can we try to make it happen again ?". At the bottom of the dialog, there are two buttons: a green "OK" button on the left and a red "Cancel" button on the right.

FIGURE 29 – BUG REPORT

## d) The menu

FramiGest has a menu bar at the top, like most software. In FramiGest, you can find three menus (File, Settings, and “?”):



FIGURE 30 – MENU BAR

In the “File” menu, you will find the « New patient » and « Delete » buttons. We have already discussed their action.

The « Export » option opens the following window:

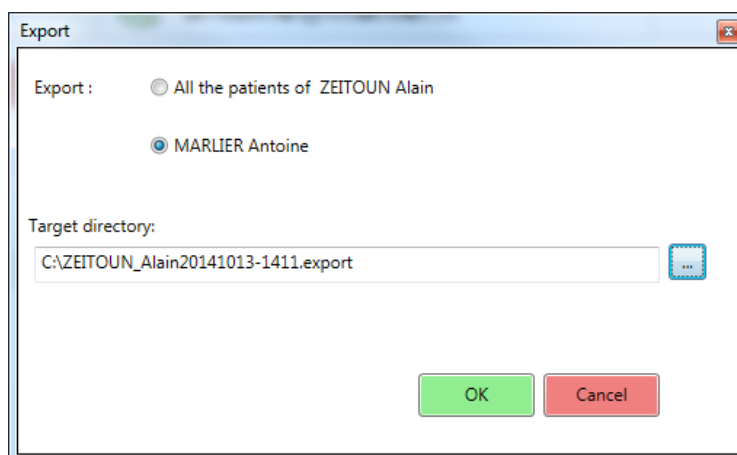


FIGURE 31 - EXPORT

This tool can be used to create a compressed folder (.export) containing the patients you choose to export (All, or the selection), in the selected folder.

The reverse option is « Import » :

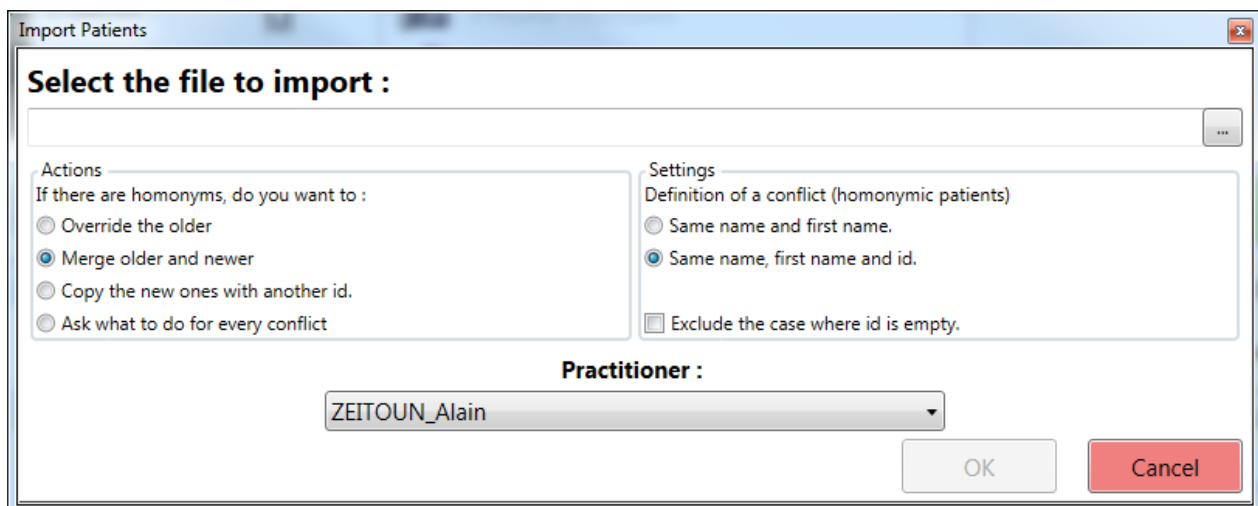


FIGURE 32 – IMPORT

Here, you have to select the .export file to import, and the practitioner who will have those patients. Then, you can the homonyms managing options (if you import patients with the same name as patients already in the database):

- Erase the one in the database (use the imported one)
- Merge existing and imported (imported data will be put in the existing patient's file)
- Copy the imported, with a new id (change the id of the imported patient to consider it as a new patient in the database)

The « Force the release » button, allows you to force the use of a patient even if the patient is used by someone else on the network. This action can use concurrency problems. Use with caution.

Finally, you can print the contact information of a patient. This will generate a .PDF file, when clicking on the “Print patient file” button.



The « Settings » menu offers three buttons. The first one, « Switch Practitioner », will bring you back to the first FramiGest window, to log in as a new practitioner.

The second one, « Prescriber List », will open the prescriber managing window.

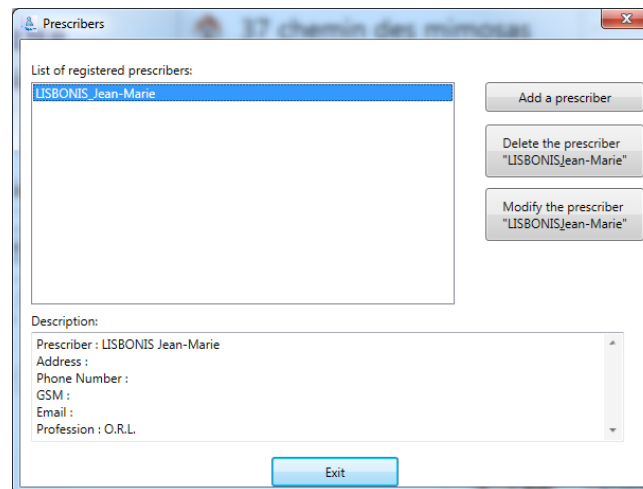


FIGURE 33 – PRESCRIBERS 'LIST

The features are the same as in the Prescription list window.

The « Settings » menu allows you to manage the side application list:



FIGURE 34 - SETTINGS

You can delete an application, or add a new one by finding the right .EXE file of the application.

Note: Only Framiral Application should be added.

The last menu («? »), offers the possibility to manage the license key, updates and bug reports.

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